

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	12	(vehicle or aut\$7) same (electrical or power) same system and battery near positive near terminal and (state near charge) and(power and management)	USPAT	OR	ON	2006/05/23 14:16
S3	6	S2 and @py<="2002"	USPAT	OR	ON	2005/11/21 14:03
S4	610	320/104	USPAT	OR	ON	2005/11/21 14:05
S7	610	320/104	USPAT	OR	ON	2005/11/21 14:06
S8	29	320/104 and vehicle adj electrical adj system and positive adj terminal	USPAT	OR	ON	2005/11/21 14:07
S9	610	320/104	USPAT	OR	ON	2005/11/21 16:21
S12	10	(integrated module)and (state of battery charge detect\$3) and (control unit power management or PCM)	USPAT	AND	OFF	2007/02/05 14:47

S13	3	(vehicle electrical system) and (integrated module) and (state of battery charge detect\$3) and (control unit power management or PCM)	USPAT	AND	OFF	2005/11/21 16:29
S14	32	(vehicle electrical system) and PCM and ECM	USPAT	AND	OFF	2005/11/21 16:30
S15	15	S14 and @py<="2002"	USPAT	AND	OFF	2005/11/21 16:32
S16	9	(S14 and battery)@py<="2002"	USPAT	AND	OFF	2005/11/21 16:38
S20	1	"5747189".pn.	USPAT	AND	OFF	2005/11/21 16:40
S21	1	"6,300,763".pn.	USPAT	AND	OFF	2005/11/21 16:43
S22	1	"6,424,157".pn.	USPAT	AND	OFF	2005/11/21 16:43
S23	3402	vehicle electrical power management control unit	USPAT	AND	OFF	2005/11/21 16:47
S26	19	vehicle electrical system power management control unit	USPAT	SAME	OFF	2005/11/21 16:48
S27	7	("4723079"   "4845465"   "5337003"   "5444352"   "5982152"   "6452286"   "6456042").PN. OR ("6690140").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/22 09:39
S28	1727201	vehicle or aut\$7 electrical or power and (management or control) and battery and charg\$4	USPAT	OR	OFF	2005/11/22 09:43

S29	1472613	S28 and @py<="2002"	USPAT	OR	OFF	2005/11/22 09:42
S30	40359	S29 and integrated and module	USPAT	OR	OFF	2005/11/22 09:42
S31	724	(vehicle or aut\$7) near (electrical or power) same (management or control) and battery adj charg\$4	USPAT	OR	OFF	2005/11/22 09:44
S32	536	S31 and @py<="2002"	USPAT	OR	OFF	2005/11/22 13:10
S33	535	S32 NOT hybrid	USPAT	OR	OFF	2005/11/22 09:48
S34	418	S32 NOT hybrid	USPAT	OR	OFF	2005/11/22 09:49
S35	2403	vehicle electrical battery management system	USPAT	AND	OFF	2005/11/22 09:49
S36	1558	S35 and @py<="2002"	USPAT	AND	OFF	2005/11/22 09:50
S37	408	S36 and control adj unit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/28 09:43
S38	2	"6690140".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/22 13:00

S39	2	"6320351".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/22 13:08
S40	2	"5701068".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/22 13:08
S41	724	(vehicle or aut\$7) near (electrical or power) same (management or control) and battery adj charg\$4	USPAT	OR	OFF	2005/11/22 13:10
S42	536	S41 and @py<="2002"	USPAT	OR	OFF	2005/11/22 13:10
S43	0	S42 and fuse adj module	USPAT	OR	OFF	2005/11/22 13:10
S44	5	S42 and fuse adj block	USPAT	OR	OFF	2005/11/22 13:55
S45	25	vehicle electrical system and battery and fuse adj(module or block)	USPAT	ADJ	OFF	2005/11/22 15:41
S46	20	S45 and @py<="2002"	USPAT	ADJ	OFF	2005/11/22 14:55
S47	1	"5528445".pn.	USPAT	ADJ	OFF	2005/11/22 14:57
S48	11	"5583751"	USPAT	ADJ	OFF	2005/11/22 14:57
S49	1	"5583751".pn.	USPAT	ADJ	OFF	2005/11/22 14:57

S50	2	"5583751".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2005/11/22 14:59
S51	4	"561304".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2005/11/22 15:00
S52	2	"6320351".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2005/11/22 15:01
S53	6	("5528445"   "5583751"   "5621304").PN. OR ("6320351"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/22 15:01
S54	41	vehicle electrical system and battery and fuse adj(module or block)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 17:12
S55	31	vehicle electrical system and battery and fuse adj(module or block)and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 16:03

S56	39	vehicle electrical system and fuse adj(module or block)and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/25 08:53
S57	3	vehicle electrical system and switch\$3 adj fuse same (module or block)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 16:08
S58	3	vehicle electrical system and switch\$5 adj fus\$5 same (modul \$2 or block)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 16:09
S59	3	vehicle (electrical or power) system and switch\$5 adj fus\$5 same (modul\$2 or block)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 16:10
S61	11	vehicle electrical system and (battery adj master adj switch or circuit adj breaker) and fuse adj (module or block)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 17:13
S62	0	("2004/0174141").URPN.	USPAT	OR	OFF	2005/11/22 17:34
S63	1446	blown fuse detect\$4 unit	USPAT	AND	OFF	2005/11/22 17:35

S64	194181	blown fuse detect\$4 unit or module	USPAT	AND	OFF	2005/11/22 17:35
S65	194181	(blown fuse detect\$4 unit) or module	USPAT	AND	OFF	2005/11/22 17:39
S66	95695	S65 and (vehicle electrical or power system)	USPAT	AND	OFF	2005/11/22 17:37
S67	77902	S66 and @py<="2003"	USPAT	AND	OFF	2005/11/22 17:39
S68	3067	S67 and battery charge detection	USPAT	AND	OFF	2005/11/22 17:38
S69	598774	(blown fuse detect\$4 unit) or module	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2005/11/22 17:39
S70	157723	S69 and @py<="2003"	USPAT	AND	OFF	2005/11/23 09:49
S72	1	automobile same electrical system and power management and (battery or charge) monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/23 09:52
S74	17	vehicle same electrical system and power management and (battery or charge) monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/28 09:40

S75	2	"20030107863"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/23 14:19
S76	1	vehicle electrical system and battery temperature sensor and battery temperature meter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/25 08:54
S77	43	(auto or vehicle) (electrical or power) system and battery and temperature same sensor and temperature same meter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/25 08:56
S78	24	S77 and @py<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/25 08:56
S79	28443	vehicle same electrical system and power management and (battery or charge) monitor and regulation same diagnosis generator or alternator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/28 09:41
S80	24309	S79 and @py<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/28 09:42



S81	11514	S79 and @py<="2003"	US-PGPUB; USPAT	ADJ	ON	2005/11/28 09:42
S82	10147	S79 and @py<="2002"	US-PGPUB; USPAT	ADJ	ON	2005/11/28 09:42
S83	2403	vehicle electrical battery management system	USPAT	AND	OFF	2005/11/28 09:44
S84	1558	S83 and @py<="2002"	USPAT	AND	OFF	2005/11/28 09:44
S85	408	S84 and control adj unit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/28 09:44
S86	3	S85 and regulation and diagnos \$4 same generator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/28 09:49
S88	50	"0107863"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/28 09:51
S89	2	"0107863".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/28 09:50
S92	2	"6690140".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2005/11/28 09:55

S93	1	"6320351".pn.	USPAT	OR	ON	2006/05/23 11:11
S94	1	"6690140".pn.	USPAT	OR	ON	2006/05/23 11:12
S95	1	"4965461".pn.	USPAT	OR	ON	2006/05/23 11:13
S96	0	"20030107863".pn.	USPAT	OR	ON	2006/05/23 11:13
S97	2	"20030107863".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 11:13
S98	16	(vehicle or aut\$7) same (electrical or power) same system and battery near positive near terminal and (state near charge) and(power and management)	USPAT	OR	ON	2006/05/23 16:57
S99	8314	"320"/\$.ccls.	USPAT	OR	ON	2006/05/23 16:58
S100	14671	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 16:58

S101	1081	S100 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 16:59
S102	219	S101 and (module)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 17:55
S103	44	S102 and (current near sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 17:15
S104	0	S103 and (battery integr\$5 switch fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 17:16
S105	2	S102 and (battery integr\$5 switch fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 17:18
S106	2	S102 and (integr\$5 switch fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 17:18

S107	5	S101 and (integr\$5 switch fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 17:21
S108	4	S101 and ((integr\$5 or module) with (switch fuse))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/23 17:21
S109	31	("20020196646"   "20030047366"   "2104769"   "2717045"   "3977490"   "4006280"   "4738906"   "4816736"   "4976327"   "5002840"   "5031712"   "5082075"   "5215834"   "5320190"   "5432026"   "5536595"   "5542489"   "5543248"   "5549984"   "5552642"   "5636701"   "5681668"   "6152096"   "6230677"   "6230833"   "6255014"   "6340538"   "6452361"   "6461758").PN. OR ("6828755").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/23 17:33
S110	47846	"429"/\$.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/23 17:34
S111	81	S110 and (vehcle electrical system)	US-PGPUB; USPAT; USOCR	NEAR	ON	2006/05/23 17:34

S112	480	S110 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR	WITH	ON	2007/02/07 16:23
S113	0	S112 and (module same current sens\$3 switch fuse power management)	US-PGPUB; USPAT; USOCR	WITH	ON	2006/05/23 17:35
S114	0	S112 and (module same current sens\$3 switch fuse)	US-PGPUB; USPAT; USOCR	WITH	ON	2006/05/23 17:35
S115	4	S112 and (module same current sens\$3 switch fuse)	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/23 17:40
S116	5	S112 and ((battery with module) current sens\$3 switch fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/23 17:42
S117	5	S112 and (((battery or power) with module) current sens\$3 switch fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/23 17:43
S118	0	("2004/0048142").URPN.	USPAT	AND	ON	2006/05/23 17:42
S119	25	S110 and (((battery or power) with module) current sens\$3 switch fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/23 17:53

S120	0	S110 and (switchable fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2006/05/23 17:53
S121	0	S110 and (switchable fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 17:53
S122	7	S110 and (switched fuse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/23 17:53
S123	186	S102 and (fuse switch or breaker or relay current or load or power sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/24 11:48
S124	2	"5882213".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/05/24 11:48
S125	11	("3775730"   "4575178"   "5229922"   "5645448").PN. OR ("5882213").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/24 12:04
S126	1	"5645448".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/24 12:09

S127	1323	320/132	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/24 12:09
S128	134	S127 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR	WITH	ON	2006/05/24 12:10
S129	133	S128 and (battery or power module)	US-PGPUB; USPAT; USOCR	WITH	ON	2006/05/24 12:19
S130	24	S129 and (fuse switch or relay or (circuit adj breaker) current or SOC near sens\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/24 12:20
S131	331	320/149	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/24 12:19
S132	22	S131 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2006/05/24 12:19
S133	22	S132 and (battery or power module)	US-PGPUB; USPAT; USOCR	WITH	ON	2006/05/24 12:21
S134	4	S133 and (fuse switch or relay or (circuit adj breaker) current or SOC near sens\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2006/05/24 12:20
S135	2	"20040048142"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/24 18:12

S136	2	"5701068".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/02 10:29
S137	15326	"320"/\$.cls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 13:51
S138	57485	"307"/\$.cls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 13:51
S139	2249	S137 AND S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 13:51
S140	149	S139 and (vehicle with electrical with system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 14:14
S141	2	S140 and (integrat\$3 same module)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 14:05



S142	4	S140 and (power same management same (Modul\$2 or unit or cartridge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 14:15
S143	301	S137 and (power same management same (modul\$2 or unit or cartridge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 15:01
S144	155	S143 and (vehicle or car or automobile or truck)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 15:01
S145	4	S144 and ((circuit adj breaker) and fus\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 14:45
S146	5	S144 and ((regulat\$3 and diagnos\$3) same (generator or alternator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 15:02
S147	364	S138 and (power same management same (modul\$2 or unit or cartridge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 15:01

S148	128	S147 and (vehicle or car or automobile or truck)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 15:02
S149	117	S148 NOT S144	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 16:44
S150	8	S149 and ((regulat\$3 and diagnos\$4) same (generator or alternator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/05 15:03
S151	15	("4088940"   "4137557"   "5337013"   "5798577"   "5818673"   "5832286"   "5856711"   "5871858"   "5886422"   "6194792"   "6377031").PN. OR ("6465908"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/05 15:24
S152	108	S149 NOT (S151 or S150)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/06 13:19

S153	6	("5,747,189" "6,300,763" "6,424,157" 10001340).pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/06 18:50
S154	46504	(management same module)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/06 18:50
S155	2975	S154 and (battery and (SOC or charge or SOH or (battery with capacity)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/06 18:51
S156	93	S155 and (fuse same (state or detect\$3 or indicat\$3 or monitor \$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/06 18:52
S157	11	S156 and ((regulat\$3 or diagnos \$4) same (generator or alternator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 12:11
S158	46504	(management same module)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 12:11

S159	2975	S158 and (battery and (SOC or charge or SOH or (battery with capacity)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 12:11
S160	93	S159 and (fuse same (state or detect\$3 or indicat\$3 or monitor \$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 12:28
S161	2	S160 and ((fault with detect\$3) same (generator or alternator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 12:13
S162	3	S159 and (fuse same (generator or alternator) same (diagnos\$4 or fault))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 13:56
S163	2	"20040048142"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 13:56

S164	43	(US-20020070705-\$ or US-20040048142-\$ or US-20030151307-\$ or US-20030210014-\$ or US-20030085689-\$ or US-20040174141-\$ or US-20040113494-\$ or US-20050029867-\$ or US-20030001434-\$ or US-20050072608-\$).did. or (US-6941234-\$ or US-5488283-\$ or US-6690140-\$ or US-6646845-\$ or US-6879895-\$ or US-4723079-\$ or US-5730094-\$ or US-5496657-\$ or US-5882213-\$ or US-6948982-\$ or US-6690582-\$ or US-5645448-\$ or US-6087805-\$ or US-4965461-\$ or US-5643693-\$ or US-6768647-\$ or US-5529142-\$ or US-6320351-\$ or US-3779079-\$ or US-7007460-\$ or US-5444378-\$ or US-6924621-\$ or US-6850037-\$ or US-6828755-\$ or US-6744149-\$ or US-6465908-\$).did. or (US-5818673-\$ or US-6985799-\$ or US-6975046-\$ or US-6642633-\$ or US-6424157-\$ or US-5747189-\$).did. or (CA-2081601-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/02/07 14:36
S165	20	S164 and ((regulat\$3 or diagnos\$3) same (generator or alternator))	US-PGPUB; USPAT; DERWENT	AND	ON	2007/02/07 14:37

S166	4	S165 and (fuse same (fault or state or detect\$3 or blown))	US-PGPUB; USPAT; DERWENT	AND	ON	2007/02/07 14:40
S167	16	S165 NOT S166	US-PGPUB; USPAT; DERWENT	AND	ON	2007/02/07 14:49
S169	2	"6465908".pn.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/02/07 15:14
S170	2	"20040048142".pn.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/02/07 19:59
S171	27	S164 NOT S167	US-PGPUB; USPAT; DERWENT	AND	ON	2007/02/07 16:22
S172	40008	"429"/\$.ccls.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/02/07 16:23
S178	498	S172 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 17:59
S179	103	S178 and (power same modul \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 20:06

S180	7	S178 and ((modul\$3 same power same manag\$5) NOT (fuel adj cell))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 17:59
S181	15328	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 17:59
S182	829	S181 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 17:59
S183	37	S182 and (modul\$3 same power same manag\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 18:49
S184	1456	((blown fuse (detect\$3 or diagnos \$4 or determ\$7))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 18:52
S185	18	S184 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 19:16

S186	48	(blown fuse (detect\$3 or diagnos\$4 or determ\$7) same modul\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 19:16
S187	2	S186 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 18:53
S188	10	S186 and ((vehicle or car or truck or auto or automobile) and electrical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 18:54
S189	2	S188 and (power with management)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 18:54
S190	38	S186 NOT (S187 or S188 or S189)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/07 19:12
S191	4	S190 and vehicle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/07 19:12



S192	283	(blown fuse same modul\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 19:16
S193	935	(blown fuse same sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 19:16
S194	14	S193 and (vehicle electrical system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 20:05
S195	0	S194 and (voltage adj meter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 20:05
S196	0	S186 and (voltage adj meter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 20:05
S198	103	S179 and (power same modul \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 20:06

S199	0	S196 AND S198	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 20:06
S200	15	(vehicle electrical system) and (power management) and (voltage meter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 20:07
S201	14	S200 and (modul\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/02/07 20:07
S202	0	((fail\$3 or faulty) battery indication (fail\$3 or faulty) regulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/11/24 17:04
S203	0	((fail\$3 or faulty) battery indicat \$3 (fail\$3 or faulty) regulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/11/24 17:05

S204	39	((fail\$3 or faulty) battery indicat\$3 (fail\$3 or faulty) regulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/11/24 17:05
S205	39	((fail\$3 or faulty) battery indicat\$3 (fail\$3 or faulty) regulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/11/24 17:05
S206	0	((fail\$3 or faulty) result\$3 (overcharg\$3 or over adj charg\$3) battery indicat\$3 (fail\$3 or faulty) regulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/11/24 17:08
S207	1	((fail\$3 or faulty) result\$3 (overcharg\$3 or over adj charg\$3) battery (fail\$3 or faulty) regulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2009/11/24 17:08
S209	2	"6690140".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/25 16:52

S210	2	"20040048142".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/25 16:55
S211	1315	320/104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:32
S212	35	S211 and ((generator or alternator) SAME (regulat\$3 and diagnos\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:33
S213	19626	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:34
S214	63	S213 and ((generator or alternator) SAME (regulat\$3 and diagnos\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:35
S215	1	S213 and ((generator or alternator) SAME (regulat\$3 and diagnos\$3) SAME (fuse or fusible or fused))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:35

S216	1	S213 and ((generator or alternator) SAME2 (regulat\$3 and diagnos\$3) SAME2 (fuse or fusible or fused))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:35
S217	14	S213 and ((generator or alternator) SAME2 (regulat\$3 and diagnos\$3) AND (fuse or fusible or fused))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:35
S218	1172	307/10.6,10.7.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:40
S219	1	S218 and ((generator or alternator) SAME2 (regulat\$3 and diagnos\$3) AND (fuse or fusible or fused))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:40
S220	932	307/10.6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:41
S221	691	307/10.7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:41

S222	1465	S220 or S221	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:41
S223	1	S222 and ((generator or alternator) SAME2 (regulat\$3 and diagnos\$3) AND (fuse or fusible or fused))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:41
S224	3760	361/18,20,21,52,104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:44
S225	5	S224 and ((generator or alternator) SAME2 (regulat\$3 and diagnos\$3) AND (fuse or fusible or fused))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/22 18:44
S226	3826	307/10.1,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/23 10:47
S227	1335	320/123.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/23 10:47

S228	5	((S226 or S227) and ((generat\$ or alternat\$) SAME2 (regulat\$3 and diagnos\$3) AND (fuse or fusible or fused)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/23 10:51
S229	4	"10208981"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/23 10:53
S230	2	"5,191,291".PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/23 11:01
S231	6	("5,747,189" "6,300,763" "6,424,157").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 11:03
S232	2949	320/104,123,132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 11:50
S233	4883	307/10.1,10.6,10.7,11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 11:50

S234	3760	361/18,20,21,52,104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 11:50
S235	11468	S232 or S233 or S234	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 11:50
S236	11	S235 and ((generat\$r or alternat \$r) SAME (regulat\$3 and (diagnos\$4 or trouble or problem or malfunction\$3)) AND (fuse or fused or fusible) AND (battery with SOC or state near2 charge or SOH or state near2 health or state near2 battery))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 11:55
S237	4109	320/104,123,.ccls or 307/10.1. ccls. or 361/20,21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 12:13
S238	18	S237 and ((generat\$r or alternat \$r) AND (regulat\$3 and diagnos \$3) AND (fuse or fusible or fused))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/23 12:14



S239	4091	S237 NOT S238	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 12:14
S240	8	((OLIVER) near2 (LUZ)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/23 12:16
S241	11	((REINHARD) near2 (RIEGER)). INV.	US-PGPUB; USPAT	OR	ON	2010/04/23 12:16
S242	3	((MARCUS) near2 (KNEIFEL)). INV.	US-PGPUB; USPAT	OR	ON	2010/04/23 12:17
S243	4	((HOLGER) near2 (FINK)).INV.	US-PGPUB; USPAT	OR	ON	2010/04/23 12:17
S244	23	S240 S241 S242 S243	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/04/23 12:18
S245	19689	((ROBERT BOSCH GMBH)).AS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2010/04/23 12:21

S246	3	S245 and ((generat\$ or alternat\$) AND (regulat\$3 and diagnos\$3) AND (fuse or fusible or fused))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/04/23 12:21
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### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S247	1	(integrated module electronics unit regulation generator diagnosis generator integrated module detection arrangement diagnosis state fuses).CLM.	US-PGPUB; UPAD	AND	ON	2010/04/23 12:15
S248	1	(module electronics unit regulation generator diagnosis generator module detection diagnosis state fuses).CLM.	US-PGPUB; UPAD	AND	ON	2010/04/23 12:16
S249	1	(module electronics regulation generator diagnosis generator module diagnosis state fuses).CLM.	US-PGPUB; UPAD	AND	ON	2010/04/23 12:16
S250	0	((OLIVER) near2 (LUZ)).INV.	UPAD	OR	ON	2010/04/23 12:19
S251	0	((REINHARD) near2 (RIEGER)).INV.	UPAD	OR	ON	2010/04/23 12:20
S252	0	((HOLGER) near2 (FINK)).INV.	UPAD	OR	ON	2010/04/23 12:20

S253	0	((MARCUS) near2 (KNEIFEL)). INV.	UPAD	OR	ON	2010/04/23 12:20
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4/ 23/ 2010 12:31:56 PM

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